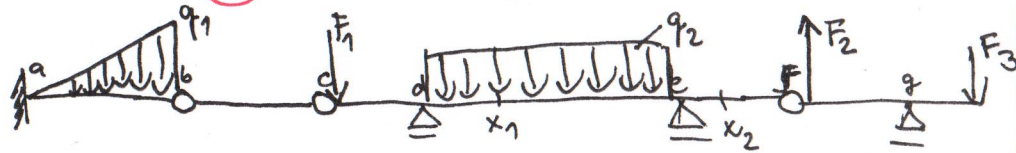
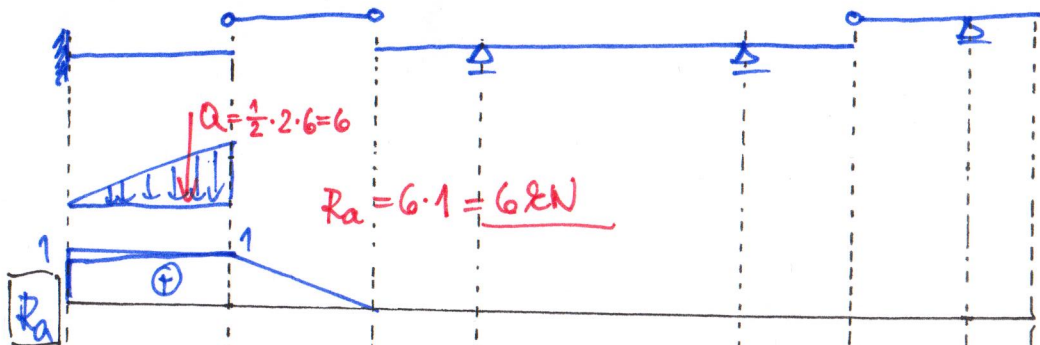


③

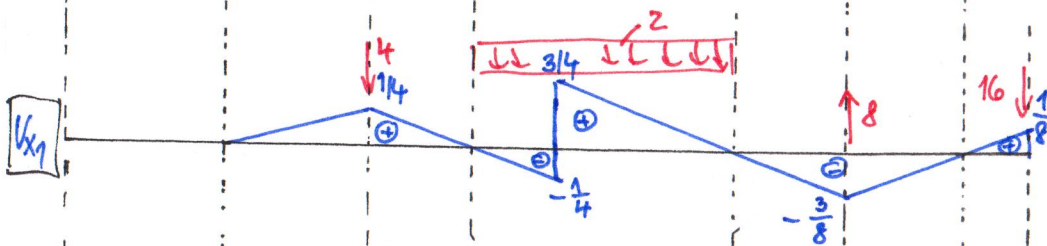
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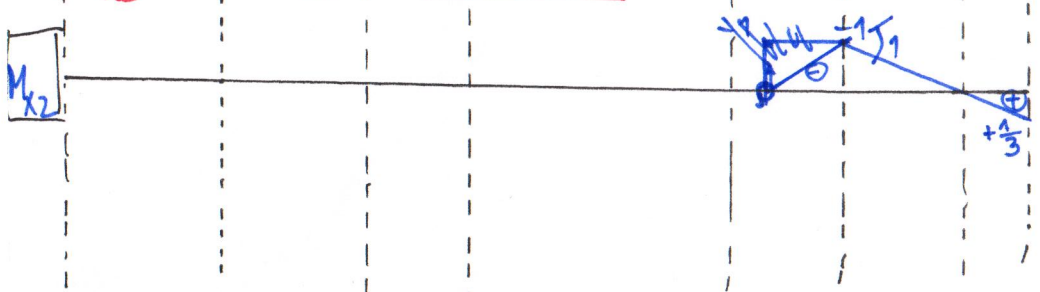
[m] 2 2 1 1 3 0.5 1 1.5 0.5
 $q_1 = 6 \text{ kN/m}$ $F_1 = 4 \text{ kN}$ $q_2 = 2 \text{ kN/m}$ $F_2 = 8 \text{ kN}$ $F_3 = 16 \text{ kN}$



$$V_{x1} = \frac{1}{4} \cdot 4 + \frac{3}{8} \cdot 8 + 16 \cdot \frac{1}{8} + \frac{2}{4} \cdot 2 \cdot 2 = 8 \text{ kN}$$

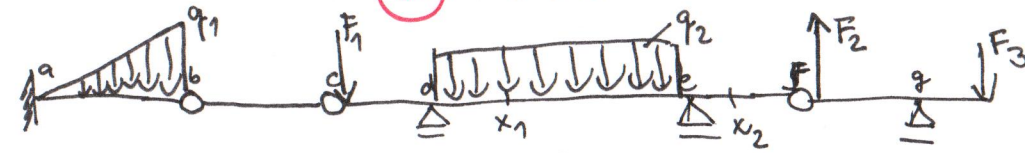


$$M_{x2} = 8 \cdot 1 + \frac{16}{3} = 13,3 \text{ kNm}$$

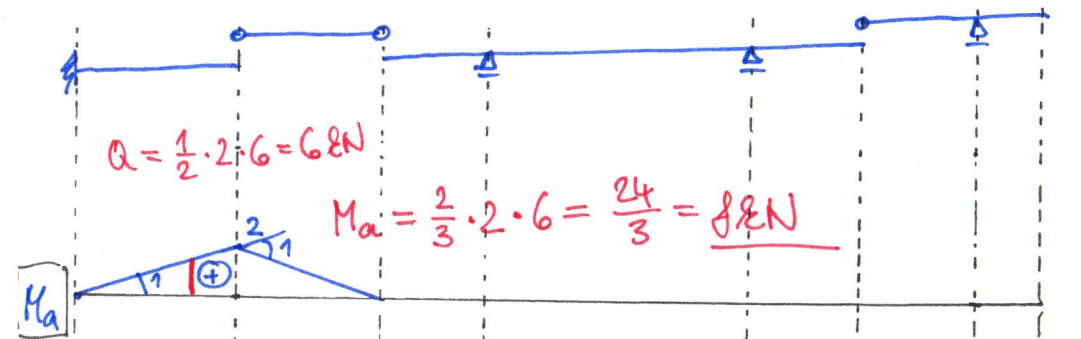


①

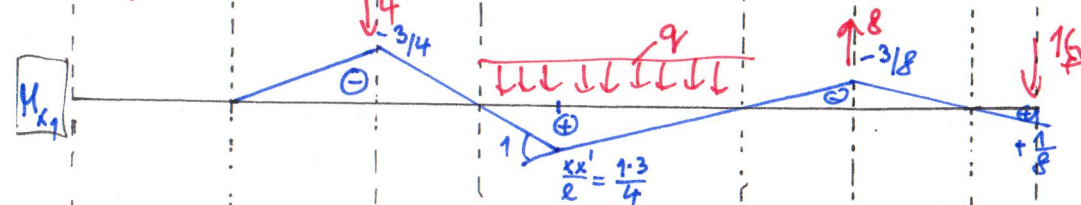
UML NO:



[m] 2 2 1 1 3 0.5 1 1.5 0.5
 $q_1 = 6 \text{ kN/m}$ $F_1 = 4 \text{ kN}$ $q_2 = 2 \text{ kN/m}$ $F_2 = 8 \text{ kN}$ $F_3 = 16 \text{ kN}$



$$M_{x1} = -\frac{3}{4} \cdot 4 + \frac{3}{8} \cdot 8 + 16 \cdot \frac{1}{8} + \frac{1}{2} \cdot \frac{3}{4} \cdot 4 \cdot 2 = 5 \text{ kNm}$$



$$V_{x2} = -8 - \frac{1}{3} \cdot 16 = -13,3 \text{ kN}$$

